



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/086,268

03/04/2002

Gordon K. Chang

STAR1-019

5167

7590

09/28/2006

RICHARD J. BARRY  
STAR VOX, INC.  
2125 ZANKER ROAD  
SAN JOSE, CA 95131

EXAMINER

NGUYEN, STEVEN H D

ART UNIT

PAPER NUMBER

2616

DATE MAILED: 09/28/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

sf

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/086,268	CHANG ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Steven HD Nguyen	2616	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 08 August 2006.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Claim Objections***

1. Claims 1 and 5 objected to because of the following informalities: the acronym "CTI" must be spelled out. Appropriate correction is required.

### ***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).
4. Claims 1 and 3-9 rejected under 35 U.S.C. 103(a) as being unpatentable over Maroulis (USP 6584094) in view of Ford (USP 6463051) and Dekelbaum (USP 5838682).

Regarding claims 1 and 5, Maroulis discloses a communication system comprising a public switched telephone (PST) (Fig 1, Ref 113) network; an internet protocol (IP) network (Fig 1, Ref 117); a private branch exchange (PBX) (Fig 1, Ref 103) with a telephone (Fig 1, Ref 101)

Art Unit: 2616

coupled thereto to route a telephone call over the PST network (Fig 2C, ref 223); and a voice gateway (Fig 1, Ref 109) coupled to the PBX and to the IP network to route a telephone call over the IP network (Fig 2C, Ref 227). Maroulis fails to disclose the voice gateway configured to support a plurality of numbering plans, accepting a number entered via a calling telephone by a user in accordance with one of a plurality of numbering plans; translating the number into the IP address of one of the plurality of voice gateways; and routing the telephone call from the calling telephone to a called telephone and a User CTI control mechanism having a browser interface. In the same field of endeavor, Ford discloses the voice gateway configured to support a plurality of numbering plans, accepting a number entered via a calling telephone by a user in accordance with one of a plurality of numbering plans; translating the number into the IP address of one of the plurality of voice gateways; and routing the telephone call from the calling telephone to a called telephone. (Fig 2, Ref 54 is a database for translating the telephone number plans such as international and National numbering plans, See col. 3, lines 47 to col. 4, lines 10; col. 5, lines 10 to col. 6, lines 47 and Table 1 and 2 is the examples for numbering plans). However, Maroulis and Ford fails to disclose a User CTI control mechanism having a browser interface. Dekelbaum disclosed a User CTI control mechanism having a browser interface (Figs 7-11 and col. 12, lines 22-37 disclose a user browser with computer telephone application which is embedded into it to allow the user to control the telephone call).

Since, Dekelbaum suggests a method and system for embedding a computer telephone application into a web page that is well known and expected in the art at the time of invention was made. Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention was made to apply this teaching into the teaching of Ford which teaches a method and

Art Unit: 2616

system for mapping a plurality of numbering plans with the IP address of the gateway or mapping dialing pattern with another number into the teaching of Maroulis which suggests a routing table of a gateway must be use to map the telephone number with IP address of the destination gateway. The motivation would have been to reduce the long distance cost.

Regarding claim 3, Ford discloses a directory coupled to the voice gateway, and wherein the voice gateway is configured to access the directory and to control the telephone to support the plurality of numbering plans (Fig 2, Ref 54).

Regarding claim 4, Ford discloses the plurality of numbering plans supported includes at least one numbering plan from a group consisting of: a uniform numbering plan (UNP); an enterprise numbering plan (ENP); a PSTN numbering plan; and a direct trunk group access code (Col. 7 and 8, Tables 1-2).

Regarding claim 6, Ford discloses a gateway database coupled to the plurality of voice gateways, the gateway database having the IP addresses of the plurality of voice gateways stored therein, and wherein the step of translating the number comprises steps of accessing the gateway database with one of the plurality of voice gateway and associating the number with an IP address in the gateway database. (Fig 2, Ref 54 and See col. 7, table 1 is used to translating dialed number to a destination gateway and associating a number with IP address).

Regarding claim 7, Ford discloses the step of associating the number with an IP address comprises the step of manipulating a digit of the number (Col. 6, lines 37-47 and Col. 7-8, tables 1-2).

Regarding claim 8, Ford discloses translating the number includes the step of translating a number from at least one numbering plan from a group consisting of: a uniform numbering

Art Unit: 2616

plan (UNP); an enterprise numbering plan (ENP); and a PSTN numbering plan; and a direct trunk group access code (Col. 7 and 8, Tables 1-2).

Regarding claim 9, Ford discloses the step of routing the telephone call comprises the step of controlling the plurality of voice gateways to route the telephone call from a first voice gateway over the IP network to a second voice gateway (Col. 6, lines 1-24 and Col. 7, lines 14 to col. 8, lines 54).

5. Claims 2 and 10-11 rejected under 35 U.S.C. 103(a) as being unpatentable over Marouslis, Ford and Dekelbaum as applied to claims 1 and 5 above, and further in view of Rogers (USP 5946386).

Marouslis, Ford and Dekelbaum fail to disclose the voice gateway is coupled to the PBX via a call status-call control link to control operation of the telephone but Ford discloses gateway control the PBX to route incoming call to called telephone over PSTN (Col. 8, lines 33-54 . In the same field of endeavor, Rogers discloses a call status and control link between the PBX and gateway for control operation of the telephone and routing the incoming call at the second gateway to the telephone at local PBX or over PSTN (Fig 1, Ref 219 is link between the PBX and gateway for controlling and monitoring the operation of the telephone and Col. 39, lines 1-15).

Since, a call status and control link between the gateway and PBX is well known and expected in the art. Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention was made to apply a call status and control link between the PBX and gateway as disclosed by Rogers into the teaching of Marouslis, Ford and Dekelbaum. The motivation would have been to distribute the incoming calls to the PBX.

***Conclusion***

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

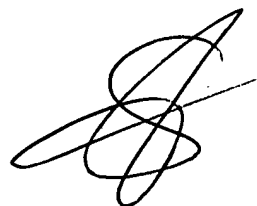
A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven HD Nguyen whose telephone number is (571) 272-3159. The examiner can normally be reached on 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin can be reached on (571) 272-3134. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2616

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

A handwritten signature in black ink, consisting of several overlapping loops and a long horizontal stroke extending to the right.

Steven HD Nguyen  
Primary Examiner  
Art Unit 2616  
September 23, 2006